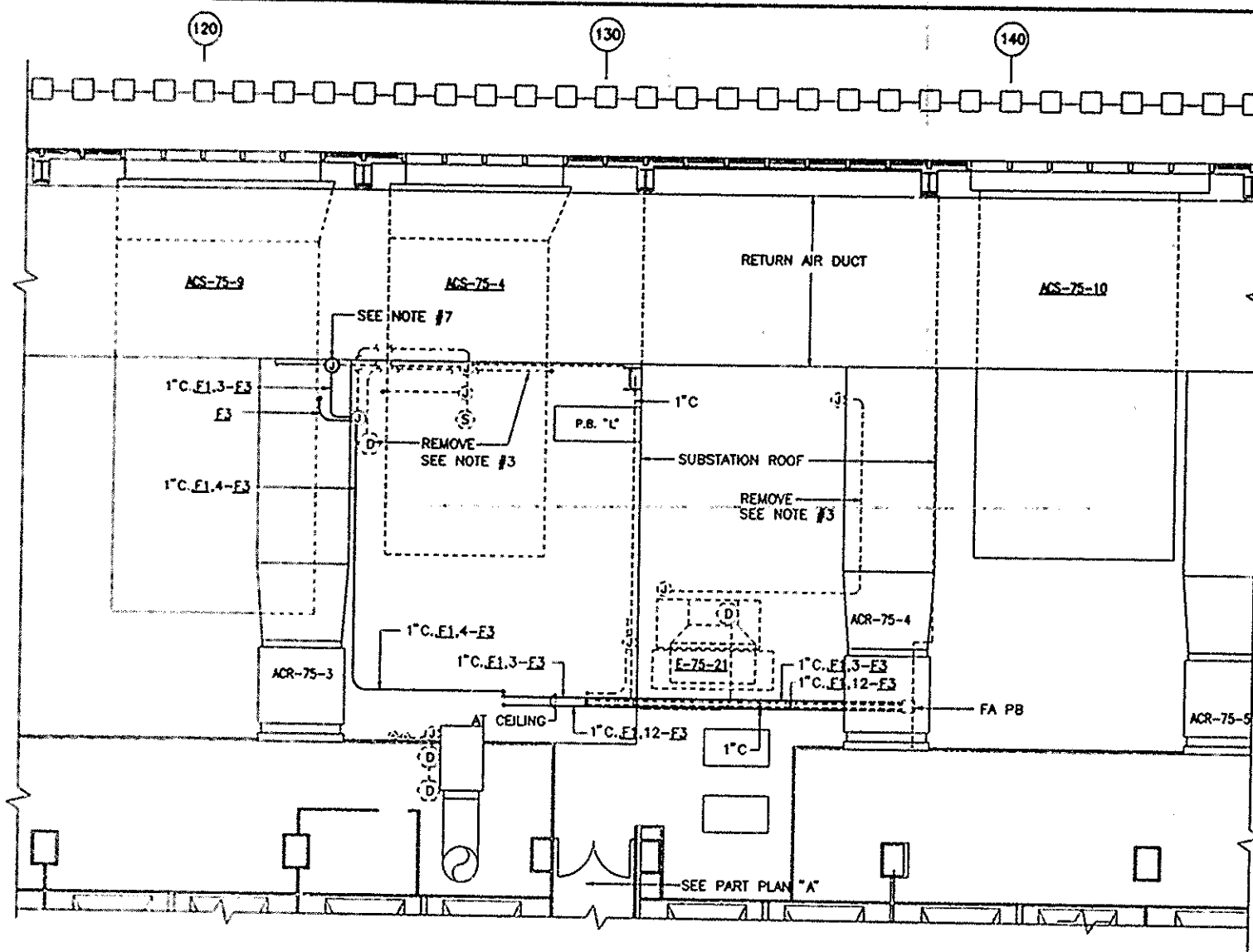
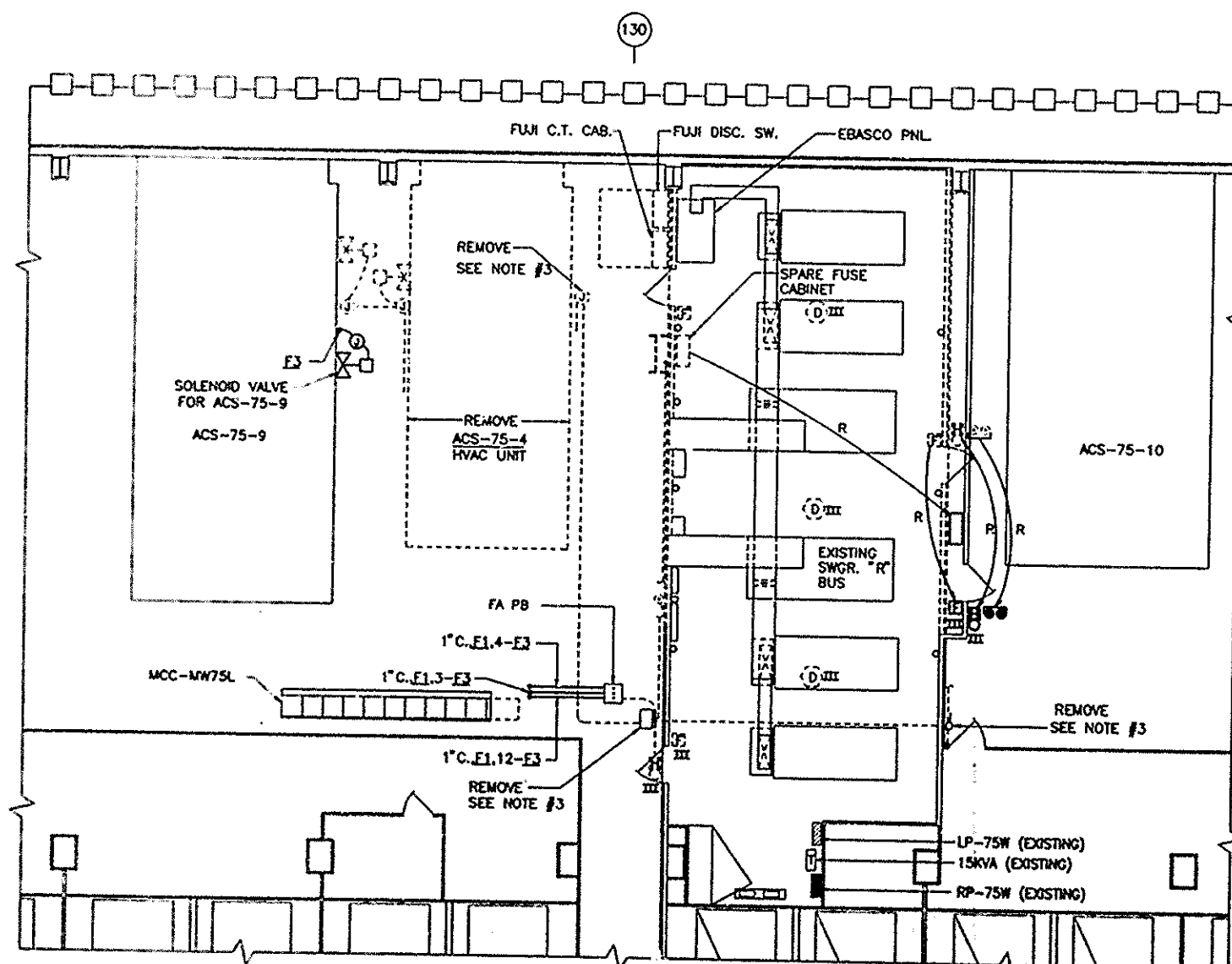


PA-SMT REV. 5



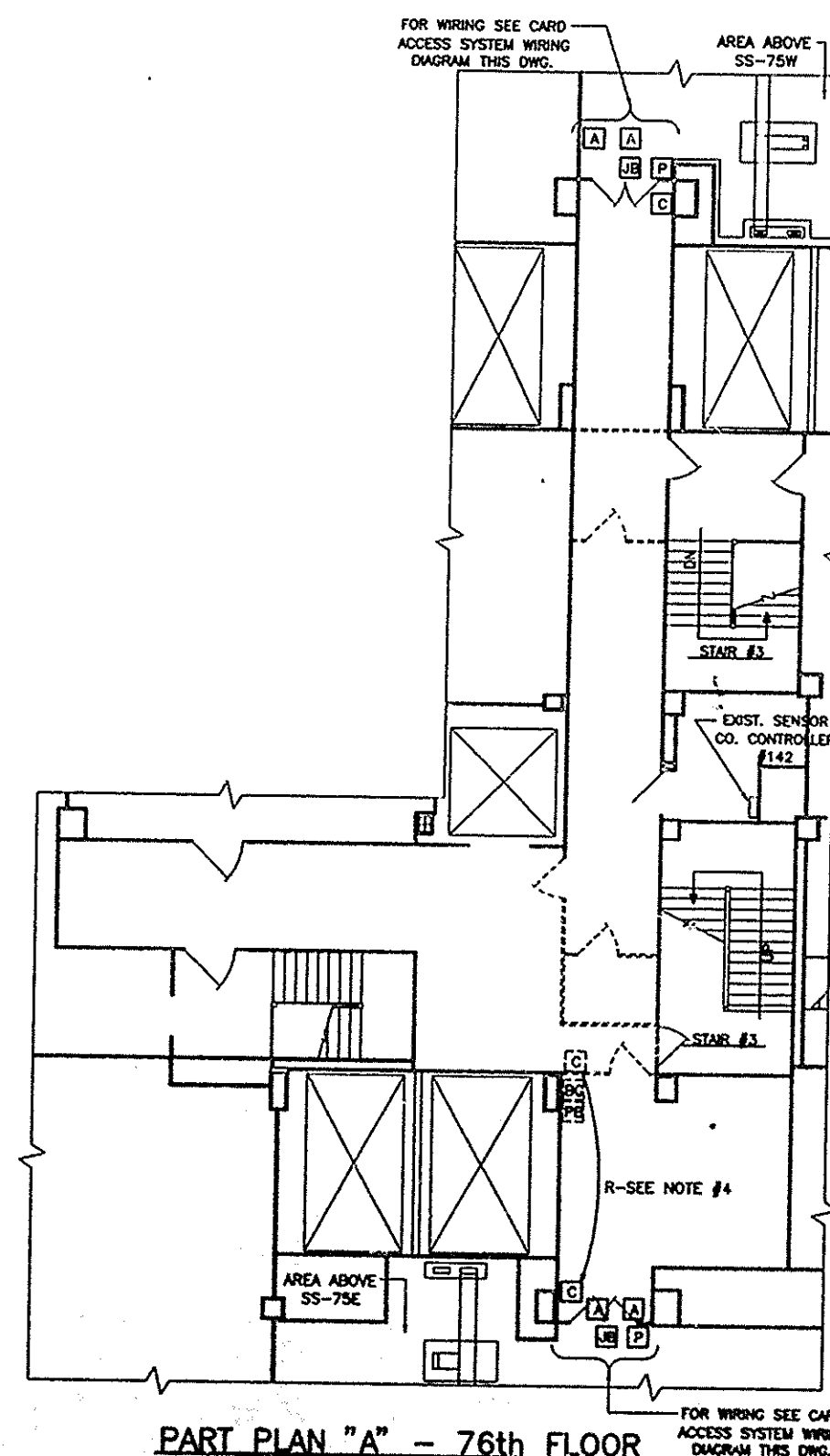
PLAN - 76th FL. - SS-75W



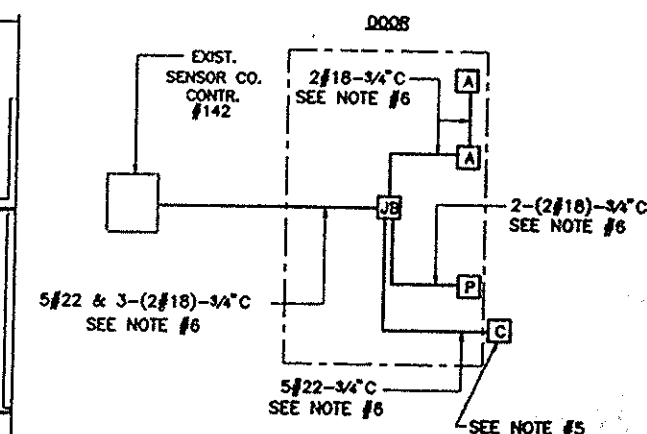
PLAN - 75th FL. - SS-75W

NOTES

- 1.-FOR LEGEND SEE DWG. #E-1, FOR GENERAL NOTES, ABBREVIATIONS AND LIGHTING FIXTURE SCHEDULE SEE DWG. #E-2.
- 2.-FOR TYPICAL SUBSTATION, STAGE I SEQUENCE OF INSTALLATION SEE DWG. #E-4.
- 3.-REMOVE ABANDONED FIRE ALARM SYSTEM 3 DEVICE AND/OR CONDUIT SECTION.
- 4.-RELOCATE EXISTING CARD READER AND INSTALL NEW EQUIPMENT. EXTEND EXISTING CONDUIT AND WIRING AS REQUIRED. CONNECT IN ACCORDANCE WITH CARD ACCESS SYSTEM DIAGRAM. ALL DEVICES FOR CARD ACCESS SYSTEM SHALL BE PROVIDED BY THE AUTHORITY AND INSTALLED BY CONTRACTOR. CONTRACTOR SHALL FURNISH AND INSTALL ALL THE REQUIRED WIRING FOR THE CARD READER SYSTEM AS SHOWN ON DWG. CARD ACCESS SYSTEM MUST BE ABLE TO RESPOND AS FOLLOWS: (a) STRIKE RELEASE BY PANO PUSHBAR ACTION (b) STRIKE RELEASE BY SYSTEM CARD READER AND (c) FORCED DOOR ENTRY. ANY FORCED DOOR ENTRY MUST BE ANNUNCIATED VIA CONTROLLER TO SYSTEM PC.
- 5.-CONNECT NEW CARD READER TO EXISTING SENSOR CO. CONTROLLER #142 RM-141 ADDRESS 15.
- 6.-2#18 CABLE SHALL BE TEFLON JACKETED BELDEN #89740 OR APPROVED EQUAL. 5#22 CABLE SHALL BE SHIELDED, TEFLON JACKETED BELDEN #89777 OR APPROVED EQUAL.
- 7.-INTERCEPT AND REROUTE EXISTING WIRING SYSTEM TO PROVIDE SPACE FOR NEW INSTALLATION. PROVIDE JUNCTION BOX AT ENDS OF CONDUITS THAT REMAIN. INSTALL WIRE IN REROUTED CONDUIT SECTION AS SHOWN AND SPLICE TO EXISTING WIRES IN JUNCTION BOXES.



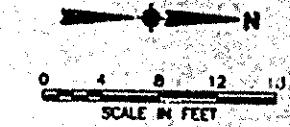
PART PLAN "A" - 76th FLOOR



CARD ACCESS SYSTEM WIRING DIAGRAM TYPICAL

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-802.071 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE: 6/12/95 *Samir A. Adani* SPEC. WRITER
DATE: 8/15/95 *Peter K. Shewany* ENGINEER OF DESIGN



THE PORT AUTHORITY OF NY & NJ

Peter K. Shewany
ENGINEERING PROGRAM MANAGER
WORLD TRADE CENTER
Samir A. Adani
CHIEF ELECTRICAL ENGINEER

Engineering Department
Design Divisions
The World Trade Center
Electrical/HVAC
Upgrade Program

Title
TOWER ONE AND TWO
LOW VOLTAGE
SUBSTATIONS
CONSTRUCTION AND
INSTALLATION
ELECTRICAL
SUBSTATION SS-75W
STAGE I
REMOVAL AND
RELOCATION PLANS
SHEET #2

No.	Date	Revision	Approved
1	6/12/95	1	<i>Samir A. Adani</i>

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

Designed by	Drawn by	Checked by
ROYZMAN	ROYZMAN	A.C.

Date 5-1-95 Scale AS NOTED
Contract Number WTC 802.071 Drawing Number E-64